

# ROA Misconceptions

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People say  
"Invalid ROA"

You Should Never  
See One

RP Software Will  
Not Let You

A ROA is Invalid  
only if the signing  
chain to the Trust  
Anchor fails

The Validity of a ROA  
has NOTHING to do  
with a BGP  
announcement

A ROA may or may not  
cause a BGP  
announcement to be  
marked as Valid or  
Invalid

# AS Not Responsible

- ROA 1.2.3.0/24-24 AS42
- AS 42 has no responsibility for this ROA
- They did not consent, were not asked
- They may announce in BGP or not
- If it makes your announcement Invalid
  - Fix the ROA to have the correct AS, or
  - Add a new ROA with the correct AS

It takes only one ROA  
to make a route Valid

392 ROAs which mark  
an announcement as  
Invalid make no  
difference